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Substitute for form 1449APTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	Unassigned (Div. Of 09/889,087)
		Filing Date	Herewith
		First Named Inventor	Adnan M. M. Majalli
		Group Art Unit	1623
		Examiner Name	Leigh M. Maier
		Attorney Docket Number	46395-261072
Sheet 1 of 4	Express Mail Certificate EV 127 541 775 US		

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
LCM	1	US- 3,489,751 A	01-13-1970	Crast, L. B., Jr.	column 2, line 60 to column 7, line 60
LCM	2	US- 3,634,418 A	01-11-1972	Willner, David	example 11
LCM	3	US- 4,535,167	8-13-1985	Freidinger, et al.	
LCM	4	US- 4,631,211	12-23-1986	Houghten, Richard A.	
LCM	5	US- 4,757,153	7-12-198	Hansen, Jr. et al.	
LCM	6	US- 5,280,093	1-18-1994	Jacquier, et al.	

FOREIGN PATENT DOCUMENTS									
Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY		Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Office ³	Number ²	Kind Code ² (if known)					
LCM	7	DE	726 386 German w/English Abstract	C	IG FARBENINDUST RIE AG		10-13-42	examples 2 & 3; example 10; example 11, and from column 14, line 35 to column 25, line 25	
LCM	8	DE	36 24 376 German/no English Abstract	A	KUNZ HORST PROF DR		01-28-88	page 5, lines 40-55	
LCM	9	EP	0 779 076	A	YAROVA ELENA PETROVNA; DEIGIN VLADISLAV ISAKOVICH (RU)		06-18-97	page 10, lines 19-27	
LCM	10	GB	867 572	A	CIBA LTD		05-10-61	page 6, first column, lines 13-55 and claims 8 and 15	

Examiner Signature	Leigh C. Maier	Date Considered	1-18-05
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Sheet	2	of	4
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	DATABASE CROSSFIRE BIELSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 5131130 XP002221918 *abstract* & ALOY; RABAUT: BULL. SOC. CHIM. FR., No. 7, 1910, page 517	
	12	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 390975 XP002221919 *abstract* & RASSAT; REY: BULL. SOC. CHIM. FR., 1967, page 815	
	13	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 971962 XP002221920 *abstract* & PALACIN, SERGE; CHIN, DONOVAN ET AL.: J. AMER. CHEM. SOC., vol. 119, no. 49, 1997, pages 11807-11816	
	14	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 5998328 XP002221921 *abstract* & JACOBSEN, POUL; SCHAUMBURG, KJELT ET AL.: ACTAA CHEM. SCAND. SER. B, vol. 34, no. 5, 1980, pages 319-326	
	15	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 2831711 XP002221922 *abstract* & TOSUNYAN ET AL.: ARM. KHIM. ZH., no. 30, 1977, page 785	
	16	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 1636432 XP002221923 *abstract* & LAVRADOR, KARINE; GUILLERM, DANIELLE ET AL.: BIOORG. MED. CHEM. LETT., vol. 8, no. 13, 1998, pages 1629-1634	
	17	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from XFIRE Database accession no. 7528593 XP002221924 *abstract* & ALLAN, ROBIN; DUKE, RUJEE; HAMBLEY, TREVOR ET AL.: AUST J. CHEM., vol. 49, no. 7, 1996, pages 785-792	
Examiner Signature	Leigh M. Maier		Date Considered
			1-18-05

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Substitute for form 1449APTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">Unassigned (Div. Of 09/889,087)</td> </tr> <tr> <td>Filing Date</td> <td>Herewith</td> </tr> <tr> <td>First Named Inventor</td> <td>Adnan M. M. Majalli</td> </tr> <tr> <td>Group Art Unit</td> <td>1623</td> </tr> <tr> <td>Examiner Name</td> <td>Leigh M. Maier</td> </tr> <tr> <td>Attorney Docket Number</td> <td>46395-261072</td> </tr> </table>		Application Number	Unassigned (Div. Of 09/889,087)	Filing Date	Herewith	First Named Inventor	Adnan M. M. Majalli	Group Art Unit	1623	Examiner Name	Leigh M. Maier	Attorney Docket Number	46395-261072
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	18	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from Xfire Database accession no. 2717318 XP002221925 *abstract* & MUNDAY: CHEM. IND, 1960, page 1057 London	
	19	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from Xfire Database accession no. 2213919 XP002221926 *abstract* & TRIGALO, F.; BUISSON, D.; AZERAD, R.: TETRAHEDRON LETT., vol. 29, no. 47, 1988, pages 6109-6112	
	20	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from Xfire Database accession no. 2936549 XP002221927 *abstract* & HUDDLE, SKINNER: J. MED. CHEM., no. 14, 1971, page 545	
	21	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from Xfire Database accession no. rid. 7063065 XP002221928 *abstract* & PLATTNER ET AL.: HELV. CHIM. ACTA, no. 31, 1948, pages 852-858	
	22	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from Xfire Database accession no. rid. 7054614 XP002221929 *abstract* & SCHIFF: CHEM. BER., no. 18, 1885, page 490	
	23	DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; retrieved from Xfire Database accession no. rid. 7063059 XP002221930 *abstract* & VISCONTINI: HELV. CHIM. ACTA, no. 29, 1946, page 1496	
LCM	24	STRYER, LUBERT, "Biochemie", 1983, VIEWEG AND SOHN VERLAGSGESELLSCHAFT MBH, GERMANY XP002221913, pages 10-14; in particular table 2-1	
LCM	25	SIGNMA-ALDRICH CHEMIE GMBH, "Biochemical and reagents for life science research", 1999, SIGMA-ALDRICH CO. XP002221914, pages 90-95	
LCM	26	Supplementary Partial European Search Report for Application EP 00 90 8331 mailed January 9, 2003	
LCM	27	CAO, X. et al., "Synthesis of NH-acyl- α -aminoamides on rink resin: inhibitors of the hematopoietic protein tyrosine phosphatase" Bioorg. Med. Chem. Lett. Vol. 5, 1995, 2953-2958	
Examiner Signature		Leigh C. Maier	Date Considered 1-18-05

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Sheet	4 of 4	Express Mail Certificate	EV 127 541 775 US

LCM	28	DEMARTER, A. et al. "Synthesis of Chiral 1,1' - Iminodicarboxylic Acid Derivatives from - α Amino Acids Aldehydes, Isocyanides, and Alcohols by the Diastereoselective Five-Center-Four-Component Reactron. Angew. Chem. Int. Ed. Engl. 35: 173-175 (1996)	
LCM	29	FAUST, "Geminal Benzotriazolyl Ethoxy derivatives-Efficient auxiliaries in the synthesis of unsaturated carbonyl compounds", J. Prakt. Chem., 1997, Vol. 339, p. 98-100	
	30	GREENE, T.W., "Protection for the Amino Group" Protective Groups in Organic Synthesis, John Wiley & Sons, New York, NY, Chapter 7 (1981)	
LCM	31	KEATING, et al., "Molecular diversity via a convertible isocyanide in the Ugi four component condensation" J. Am. Chem. Soc. 1995, Vol. 117, 7842-7843	
LCM	31	KEATING, T.A. et al. "Postcondensation Modifications of Ugi Four-Component Products: 1-Isocyanocyclohexene as a convertible Isocyanide Mechanism of Conversion, Synthesis of Diverse Structures, and Demonstration of Resin Capture" J. Am. Chem. Soc. 1996, Vol. 118, p 2574-2583	
LCM	32	KITAGUCHI et al. "Enzymatic formation of an isopeptide bond involving the ε-amino group of lysine" Tetrahedron Lett., 1988, Vol. 29, pp. 5487-5488	
LCM	33	KUNZ, H. et al. "Carbohydrates as chiral templates: diastereoselective Ugi synthesis of (S) amino acids using o-acylated d-arabinopyranosylamine as the auxiliary" Tetrahedron . Lett., 1989, Vol. 30, pp. 4109-4110	
LCM	34	LINDERMAN, "Enhanced diastereoselectivity in the asymmetric Ugi reaction using a new convertible isonitrile" J. Org. Chem., 1999, Vol. 64, pp. 336-337	
LCM	35	MJALLI, et al., "Solid phase synthesis of pyrroles derived from a four component condensation" Tetrahedron Lett., 1996, Vol. 37, pp. 2943-2946	
LCM	36	SIGLMÜLLER et al. "Chiral ferrocenylalkylamines from (-)-menthone" Tetrahedron, 1986, Vol. 42, pp. 5931-5940	
LCM	37	UGI, I., Isonitrile Chemistry, p. 1, Academic Press, New York and London, 1971	
LCM	38	UGI, I., "From Isocyanides via four-component condensations to antibiotic syntheses" Angew Chem., Int. Ed. Engl., 1982, Vol. 21, pp. 810-819	
LCM	39	UGI, I., "Perspektiven von Multikomponentenreaktionen und deren Bibliotheken" J. Prakt. Chem., 1997, Vol, 339, p. 499-516	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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Of

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Application Number

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Filing Date

June 26, 2004

First Named Inventor

Mialli

Art Unit

1623

Examiner Name

Leigh C. Maier

Attorney Docket Number

46395-298831

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[illegible]

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